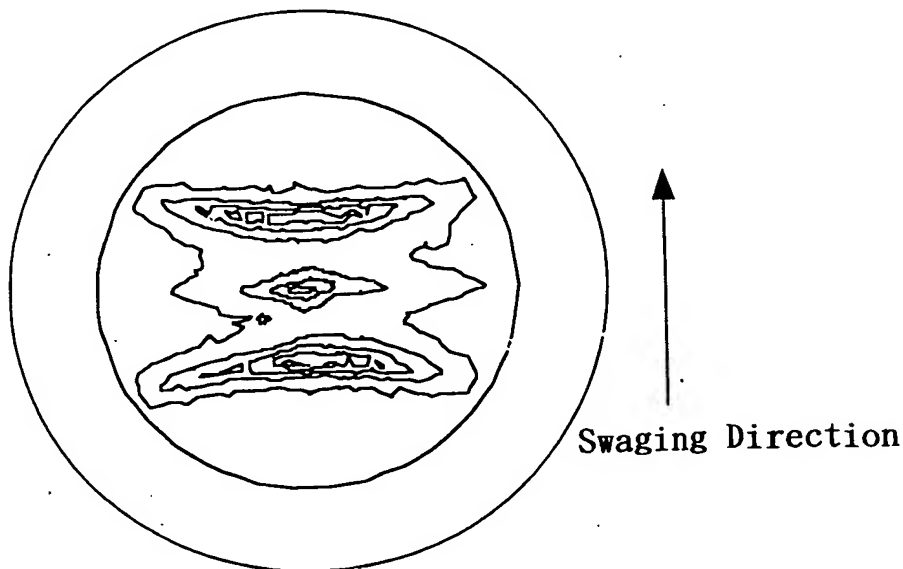


FIG. 3



1 Scale: 1,000cps

(110) Polar Figure Obtained in Sample No. 1

202010 20201001

FIG. 2

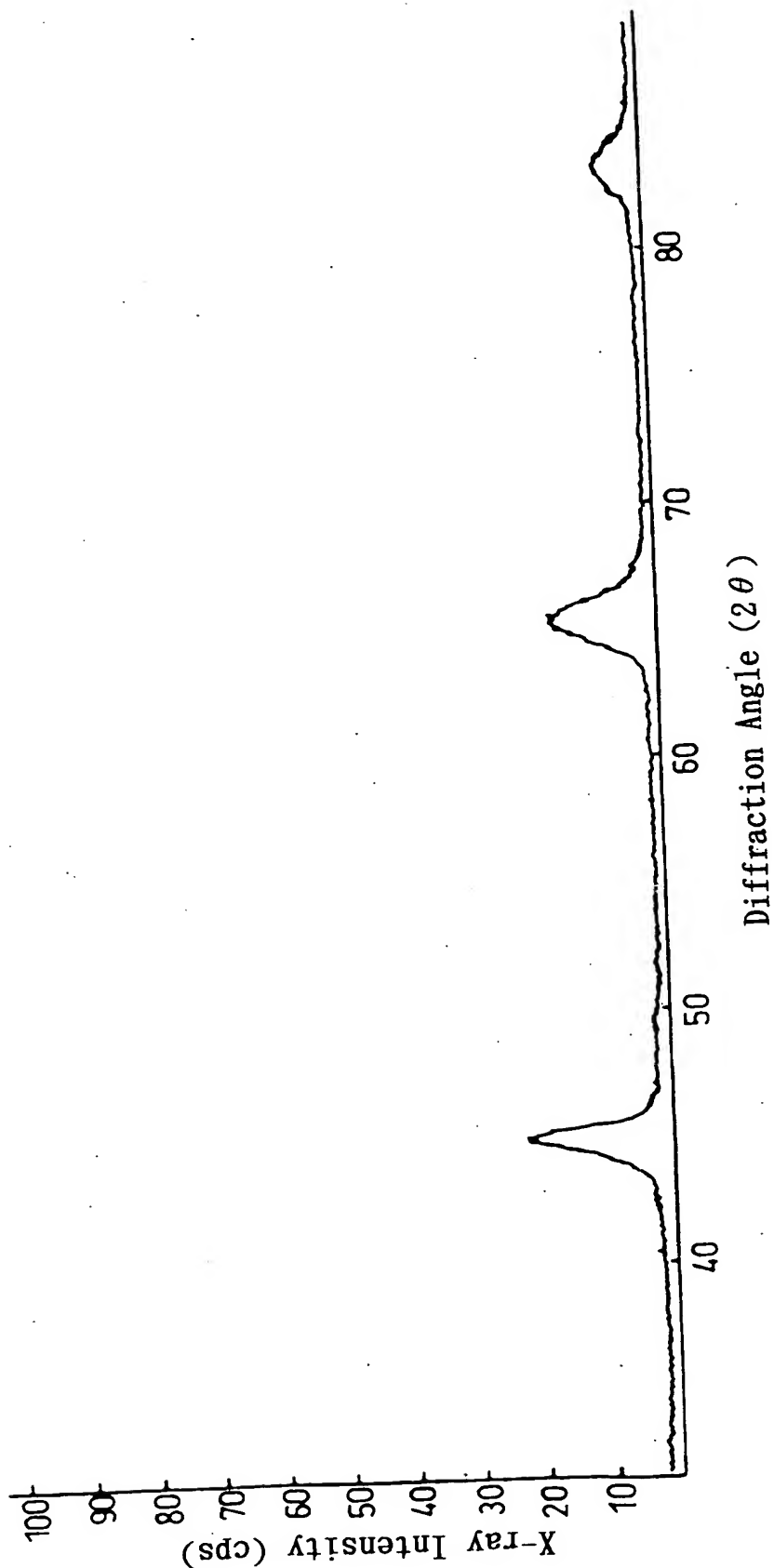
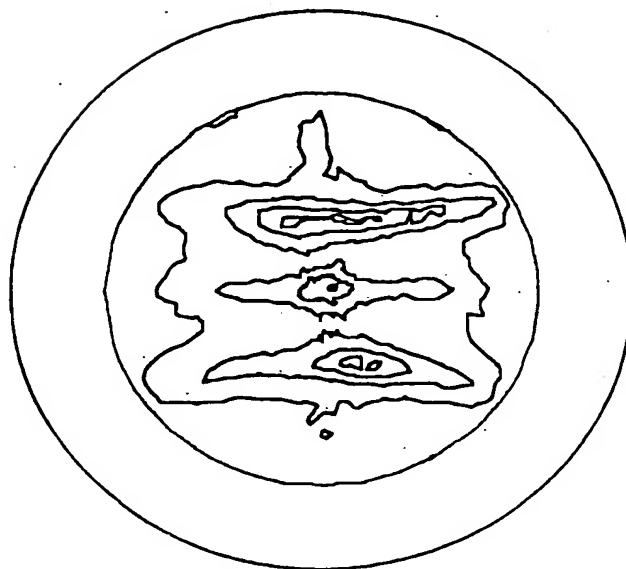


FIG. 4

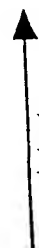
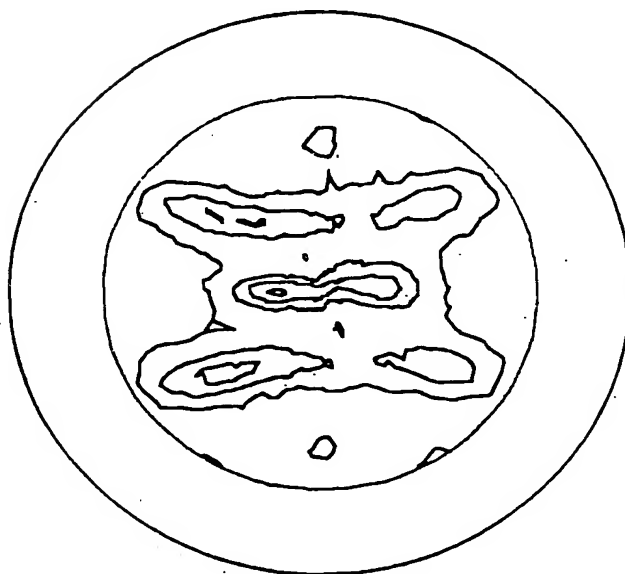


Working  
Direction

1 Scale:1,000cps

(110) Polar Figure Obtained in Sample No. 4

FIG. 5

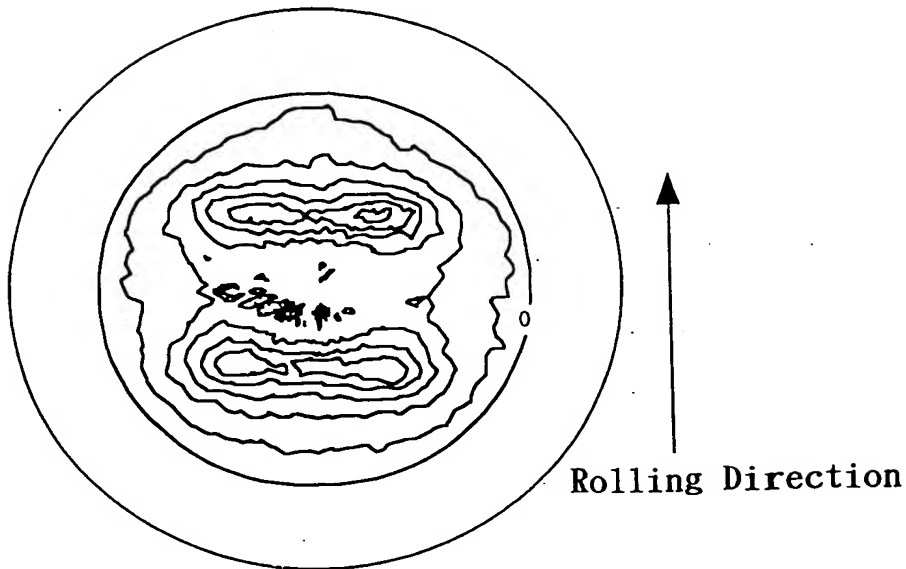


Working  
Direction

1 Scale:1,000cps

(110) Polar Figure Obtained in Sample No. 5

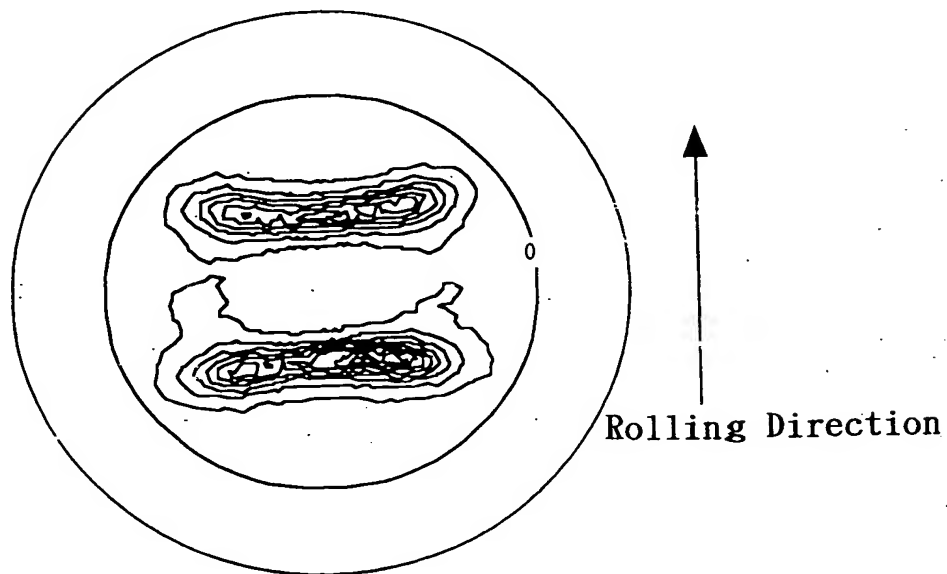
FIG. 6



1 Scale: 500cps

(110) Polar Figure Obtained in Sample No. 2

FIG. 7

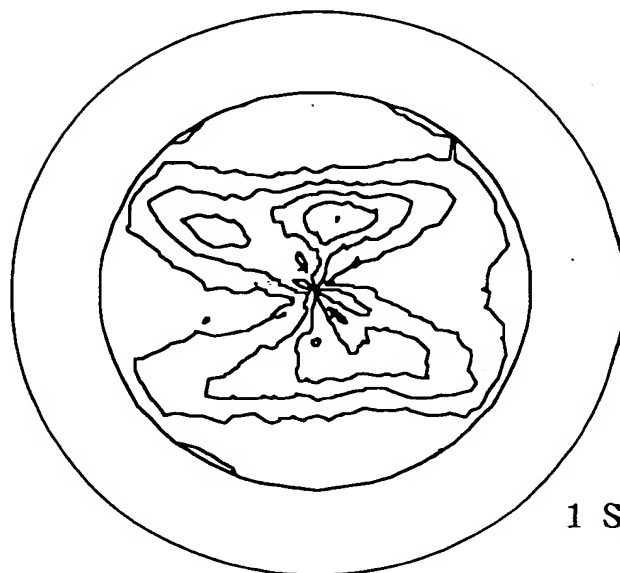


1 Scale: 1,000cps

(110) Polar Figure Obtained in Sample No. 3

10049993 0403003

FIG. 8



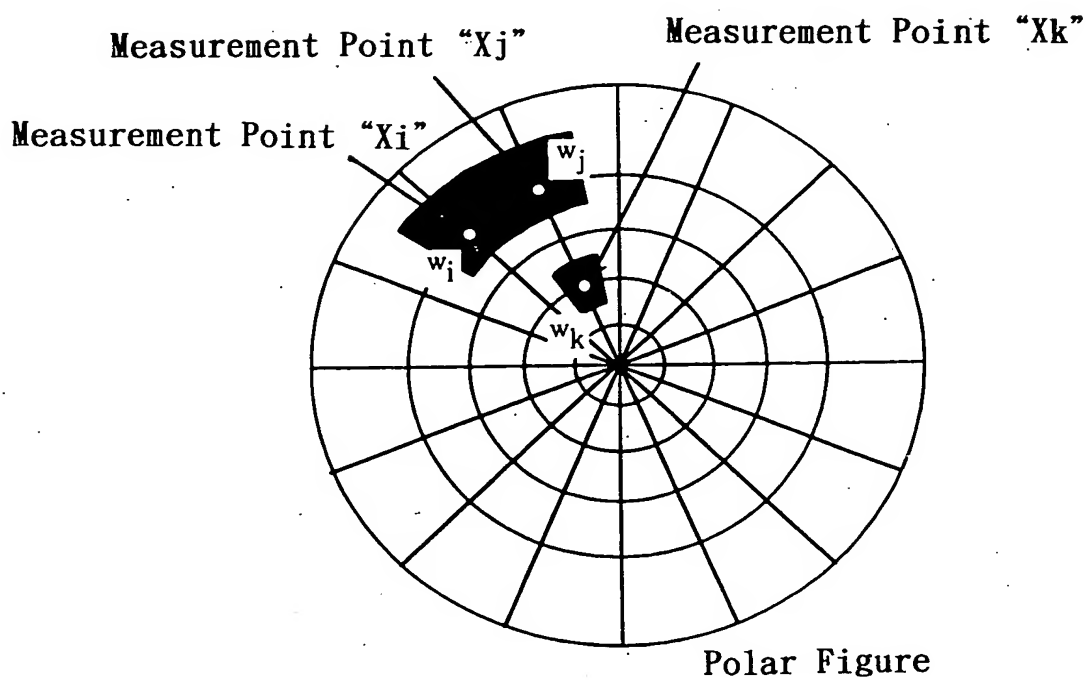
1 Scale:500cps

Swaging Direction

(110) Polar Figure Obtained in Comparative Sample

10019283 040200 202070 202070

FIG. 9



### Definition of "w" Constituting Weighting Function "W" (Only 3 examples are shown.)

FIG. 10

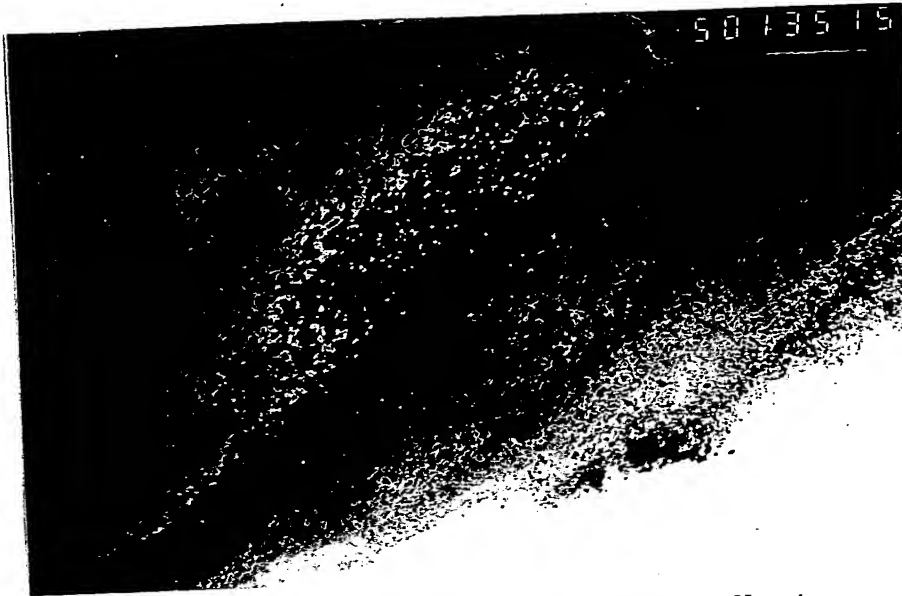
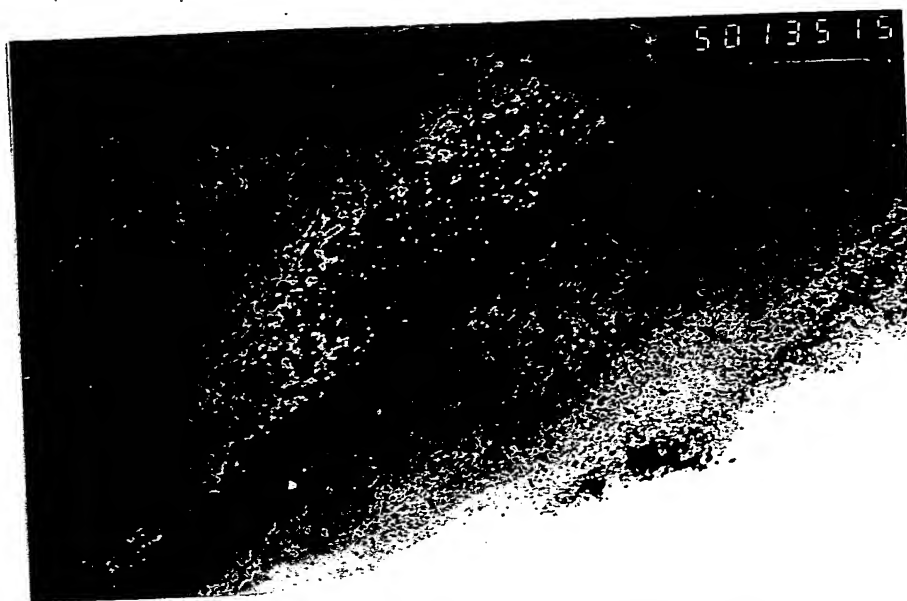
TEM Observation Result on Sample No.1  
(Bright Field Image)

FIG. 11

TEM Observation Result on Sample No.1'  
(Bright Field Image)

100402203 040202

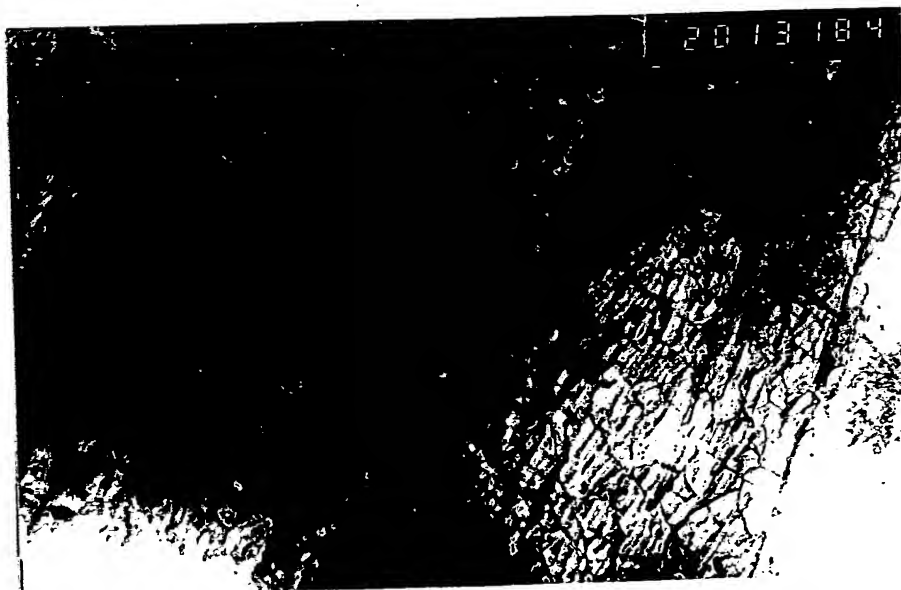
FIG. 10



400nm

TEM Observation Result on Sample No. 1  
(Bright Field Image)

FIG. 11



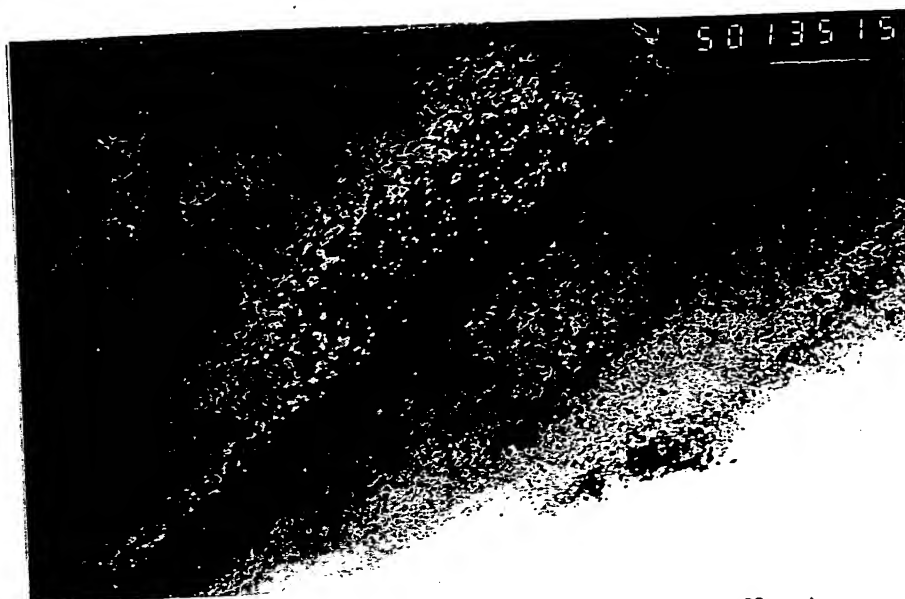
1 μm

TEM Observation Result on Sample No. 1  
(Bright Field Image)

10019283 010202 202010 22264001

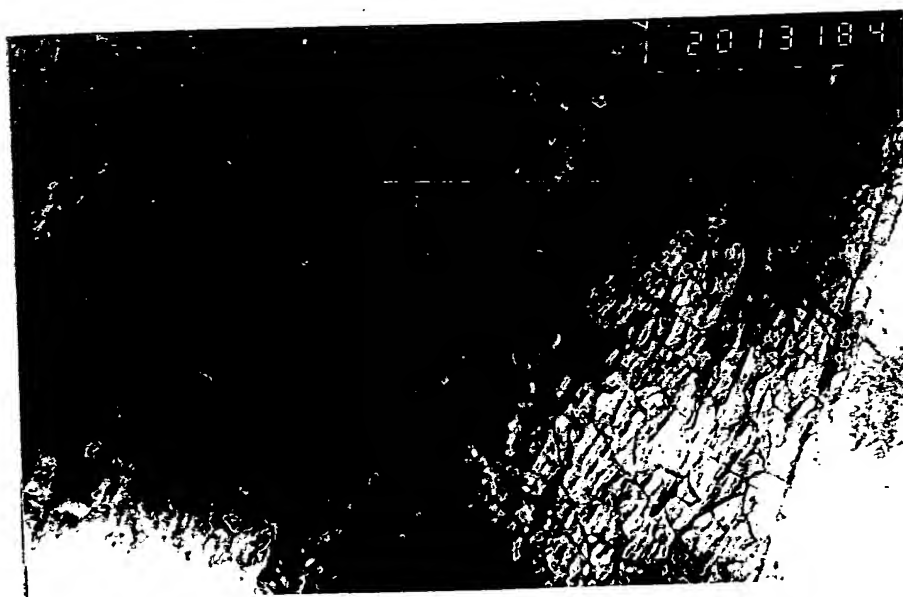


FIG. 10



TEM Observation Result on Sample No.1  
(Bright Field Image)

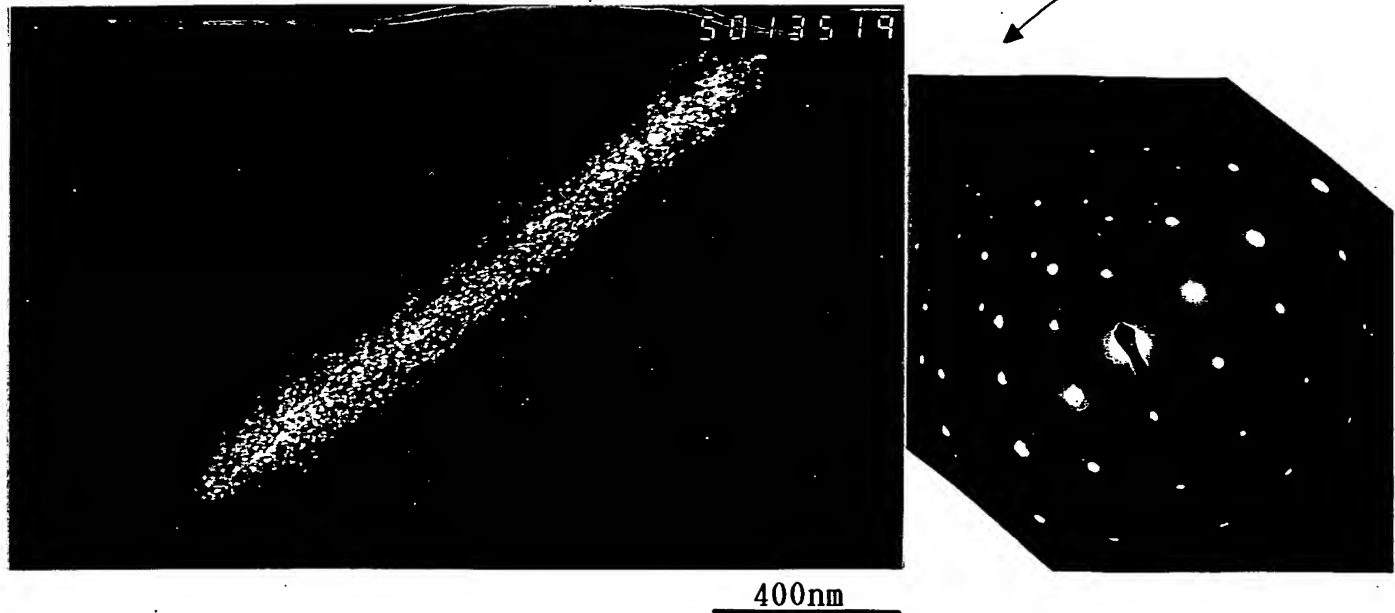
FIG. 11



TEM Observation Result on Sample No.1'  
(Bright Field Image)

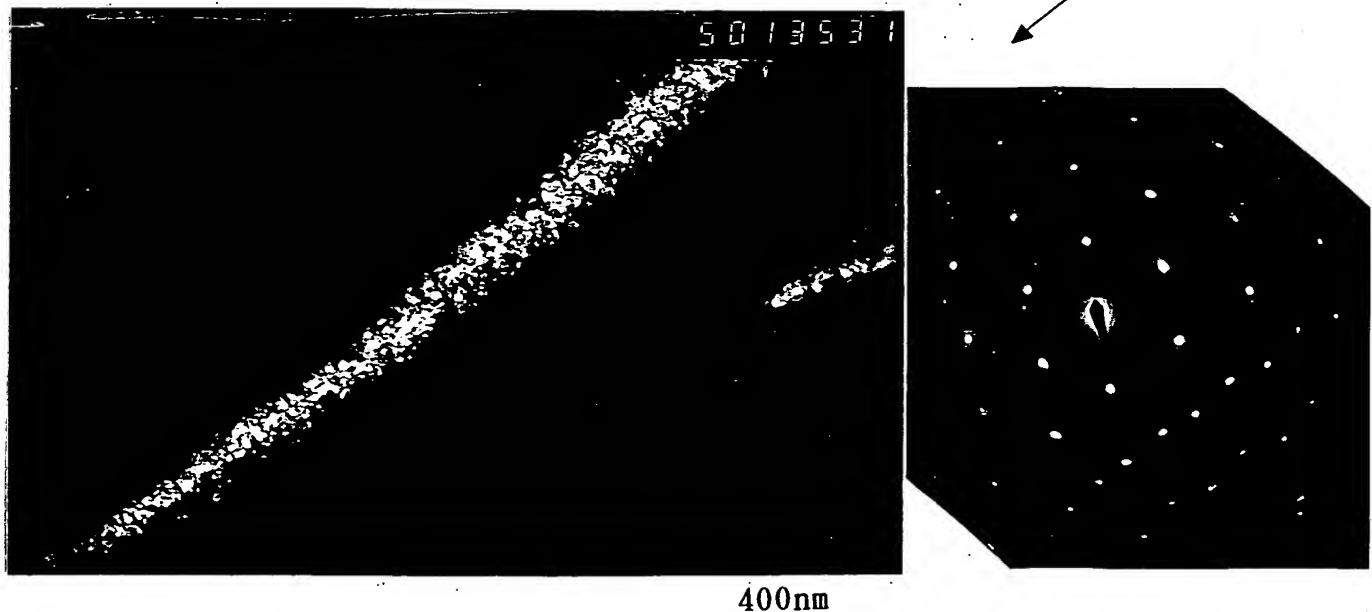
202010 04000

FIG. 12 Rotary Center of Goniometer



TEM Observation Result in Sample No.1  
 Electron Diffraction Pattern and Dark Field  
 Image Using 110 Diffraction Point  
 Value read by goniometer was  $-16.3^{\circ}$ .

FIG. 13 Rotary Center of Goniometer

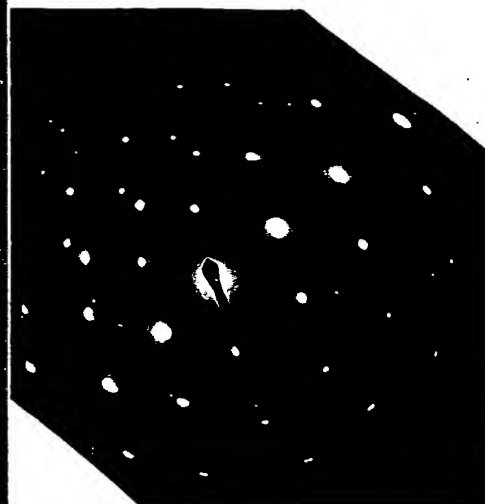


TEM Observation Result in Sample No.1  
 Electron Diffraction Pattern and Dark Field  
 Image Using 110 Diffraction Point  
 Value read by goniometer was  $6.1^{\circ}$ .

10019283 10019283

FIG. 12

Rotary Center of Goniometer

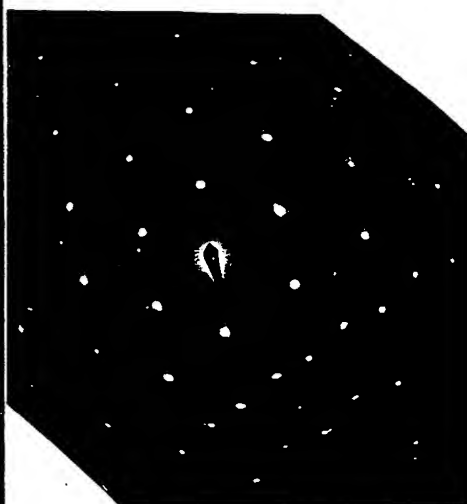
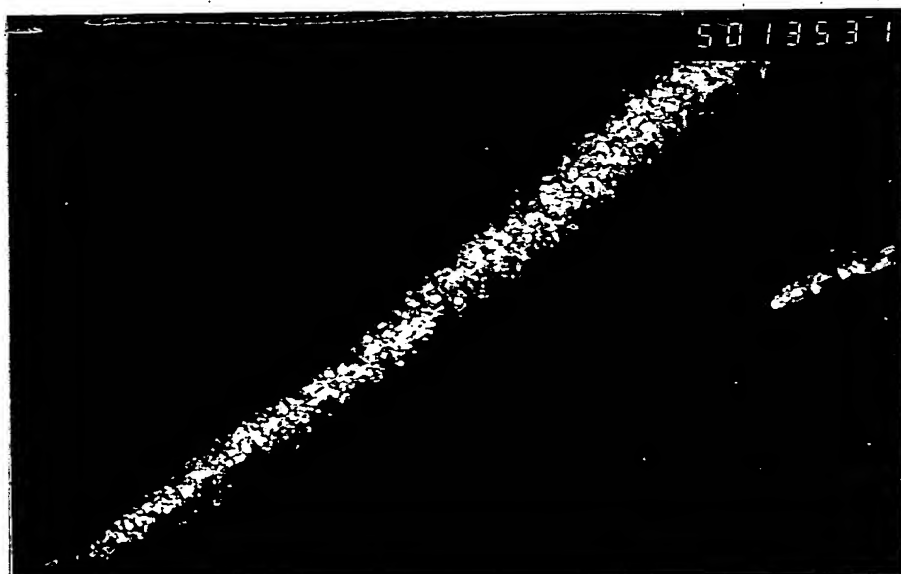


400nm

TEM Observation Result in Sample No.1  
 Electron Diffraction Pattern and Dark Field  
 Image Using 110 Diffraction Point  
 Value read by goniometer was  $-16.3^\circ$ .

FIG. 13

Rotary Center of Goniometer



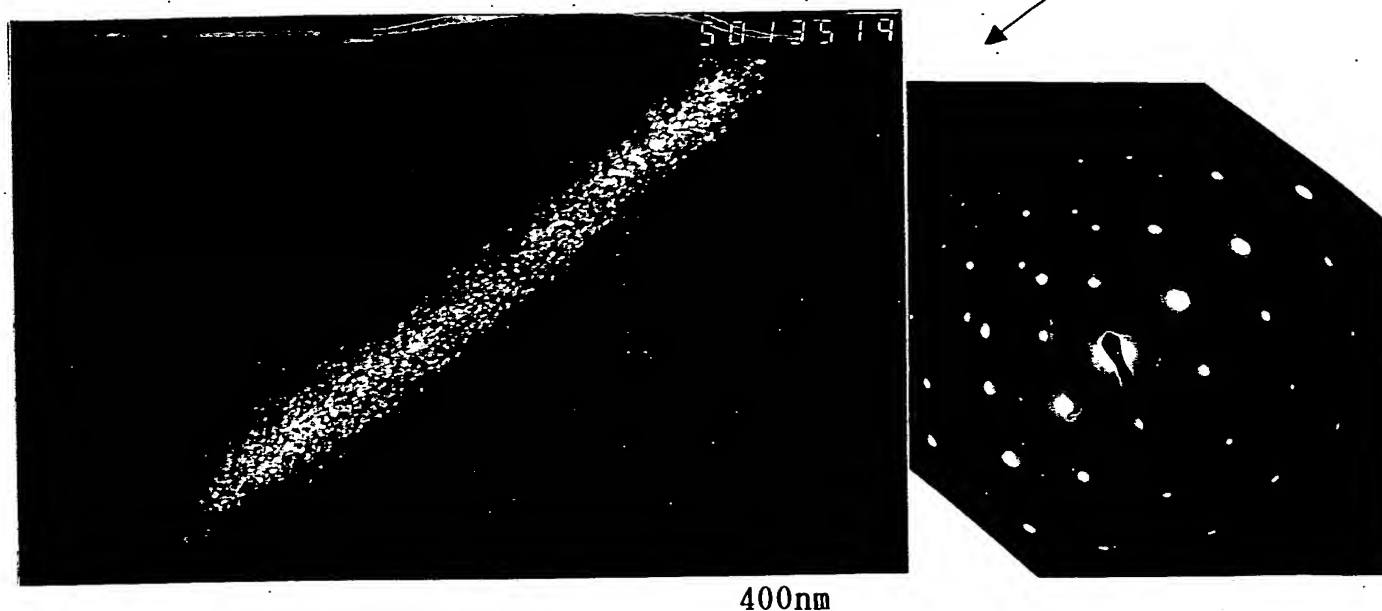
400nm

TEM Observation Result in Sample No.1  
 Electron Diffraction Pattern and Dark Field  
 Image Using 110 Diffraction Point  
 Value read by goniometer was  $6.1^\circ$ .

20250304 09:40:00

FIG. 12

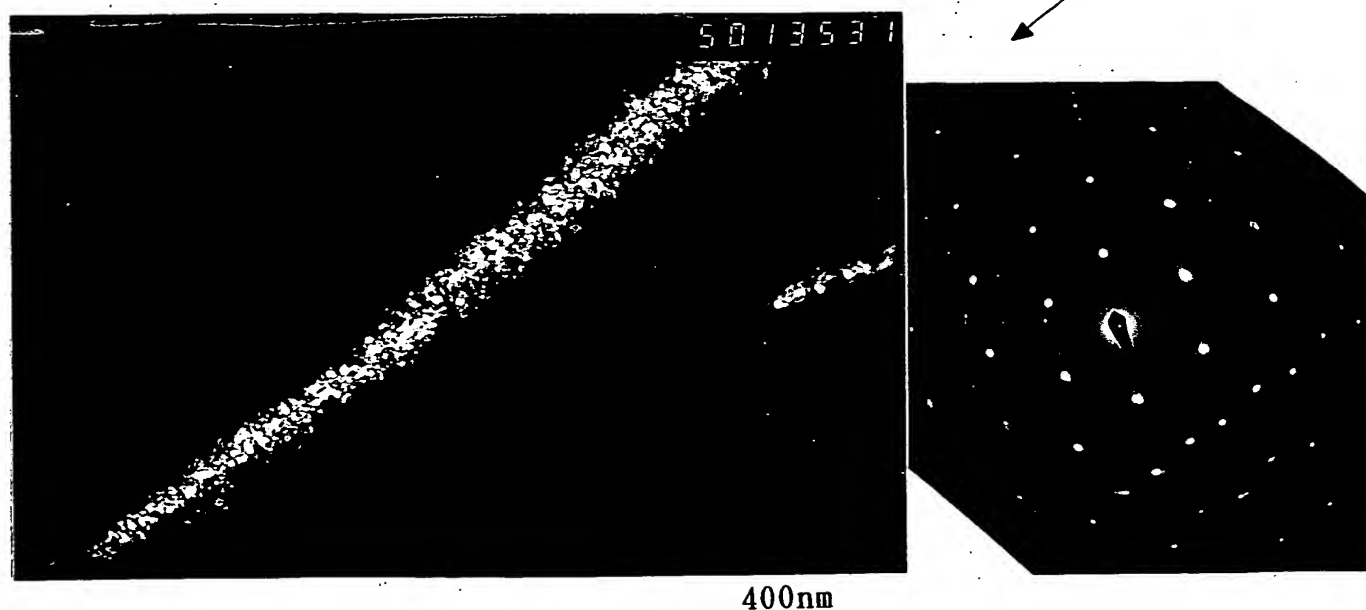
Rotary Center of Goniometer



TEM Observation Result in Sample No.1  
Electron Diffraction Pattern and Dark Field  
Image Using 110 Diffraction Point  
Value read by goniometer was  $-16.3^\circ$ .

FIG. 13

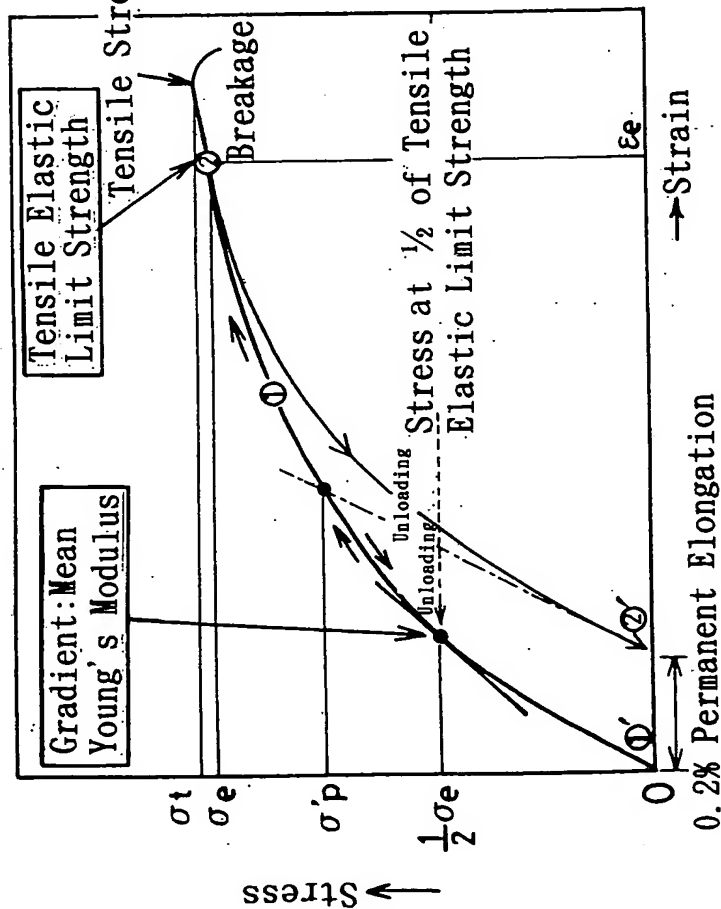
Rotary Center of Goniometer



TEM Observation Result in Sample No.1  
Electron Diffraction Pattern and Dark Field  
Image Using 110 Diffraction Point  
Value read by goniometer was  $6.1^\circ$ .

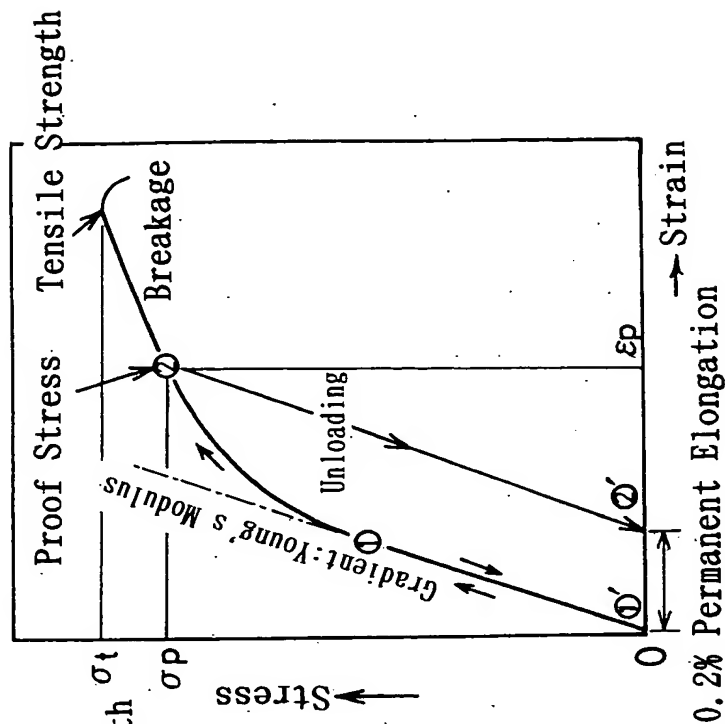
20250101 10:00:00

FIG. 14A



Titanium Alloy of Present Invention

FIG. 14B



Conventional Titanium Alloy